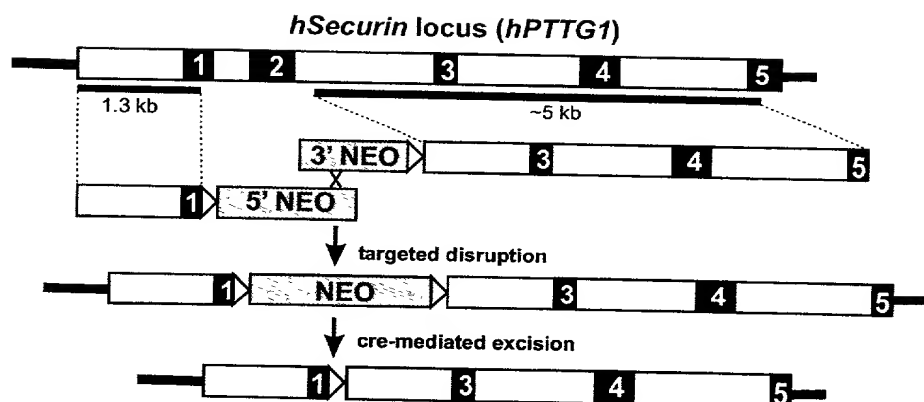
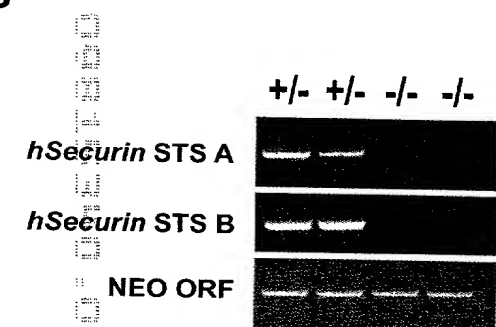


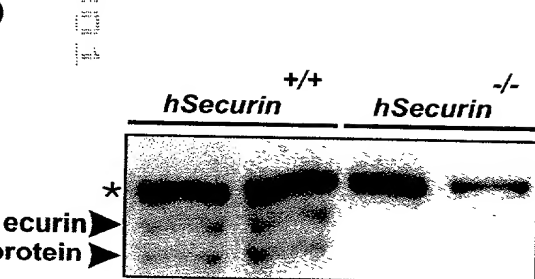
A



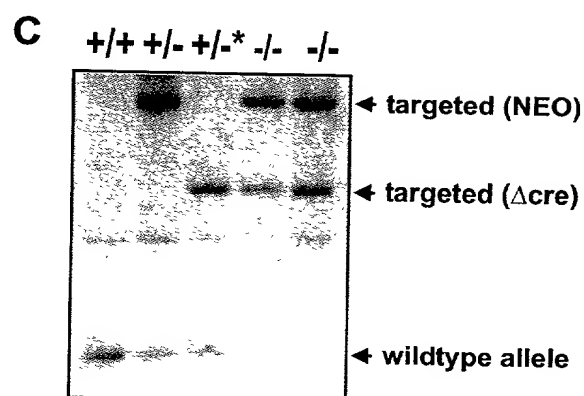
B



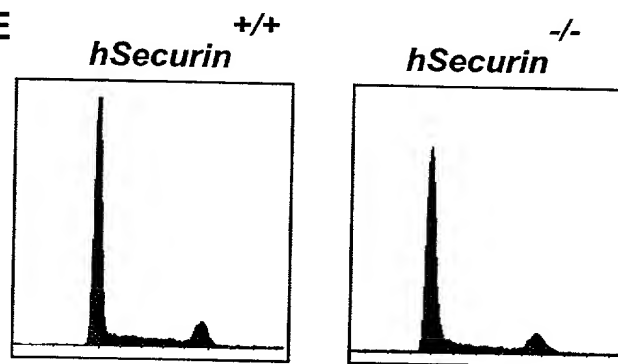
C



C



E



FACS analysis (%)

cytology (%)

<i>hSecurin</i>	G1	S	G2/M	apoptosis	mitosis	interphase
+/+	69	17	14	2	1	97
-/-	70	16	14	1.8	0.7	97.5

FIG. 1

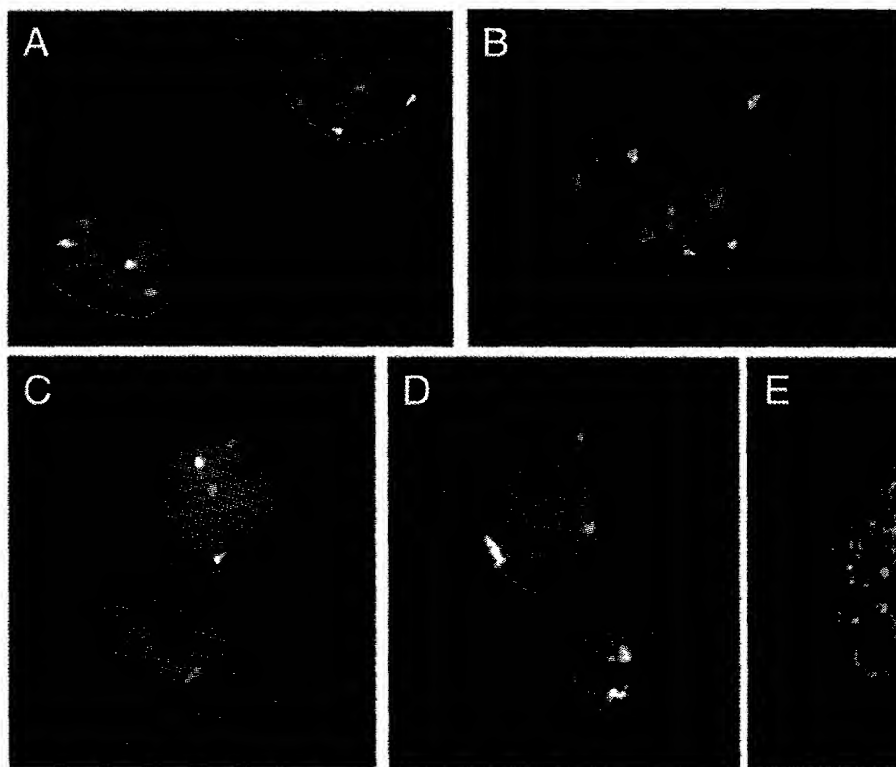
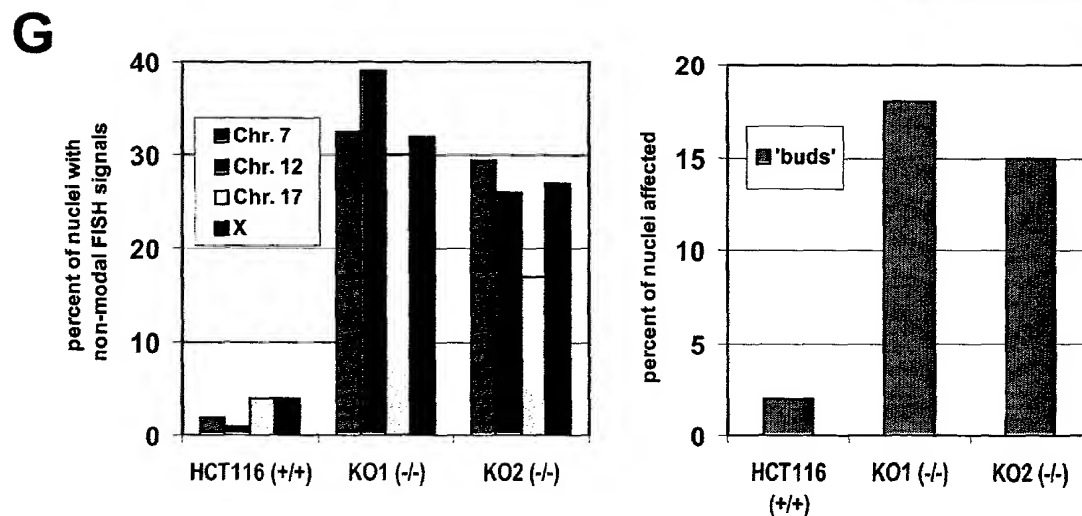


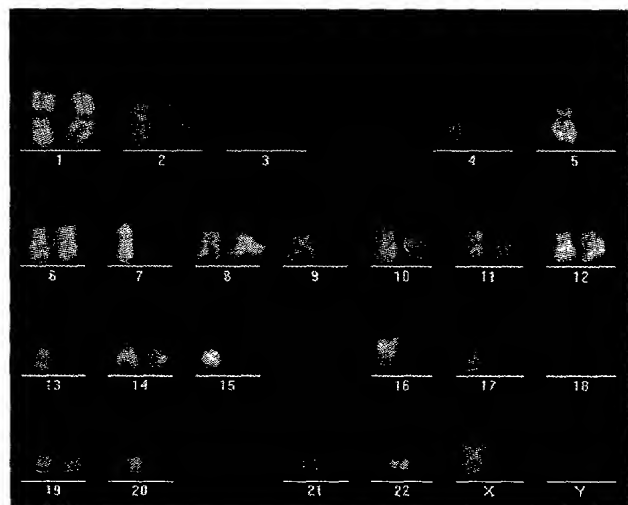
FIG. 2

F

	chromosome analyzed	number of FISH signals per cell						% of cells off the mode
		0	1	2	3	4	≥5	
HCT116 (+/+)	7	0	2	98	0	0	0	2
	12	0	0	99	1	0	0	1
	17	0	2	96	2	0	0	4
	X	0	96	4	0	0	0	4
KO1 (-/-)	7	0	3	76	8	13	0	24
	12	0	—	70	7	17	2	30
	17	2	—	74	13	0	0	26
	X	—	68	15	2	1	0	32
KO2 (-/-)	7	1	15	69	8	5	2	31
	12	2	—	80	3	3	1	20
	17	2	—	83	4	3	1	17
	X	—	73	10	1	0	0	27

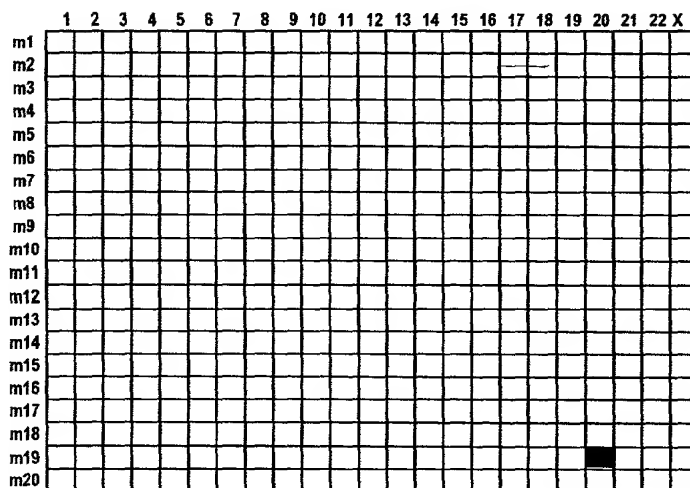


A

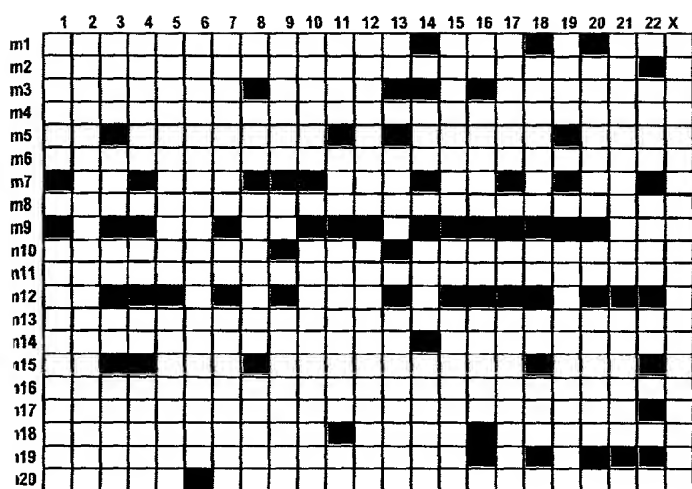


B

hSecurin^{+/+} (parental)



hSecurin^{-/-} (KO1)



D

hSecurin^{-/-} (KO2)

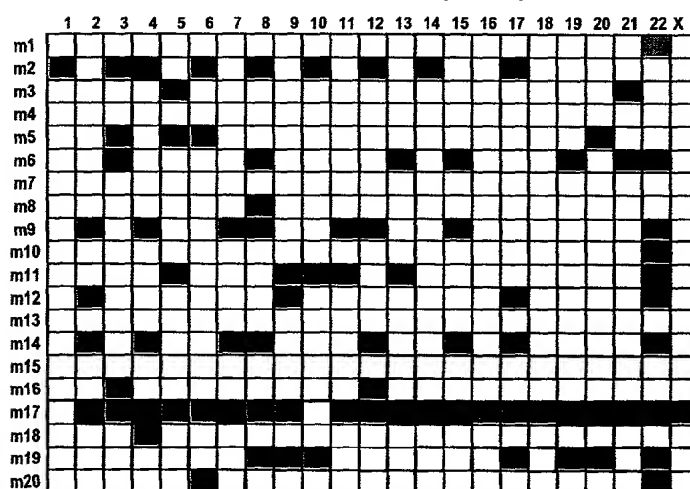
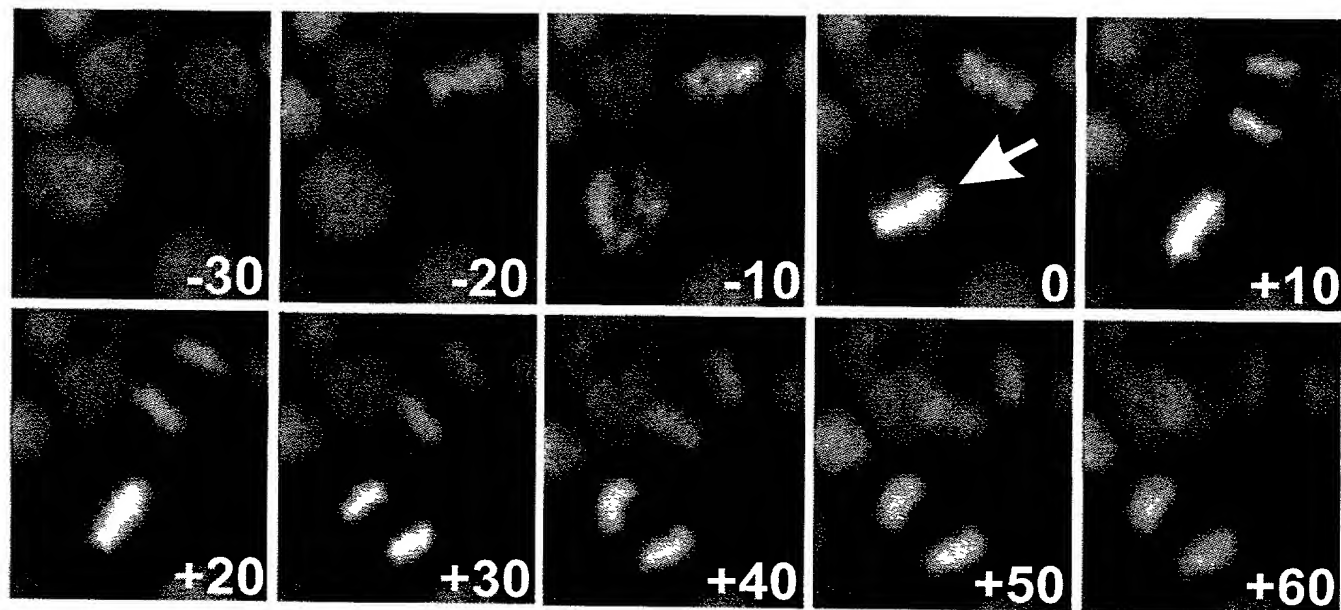


FIG. 3

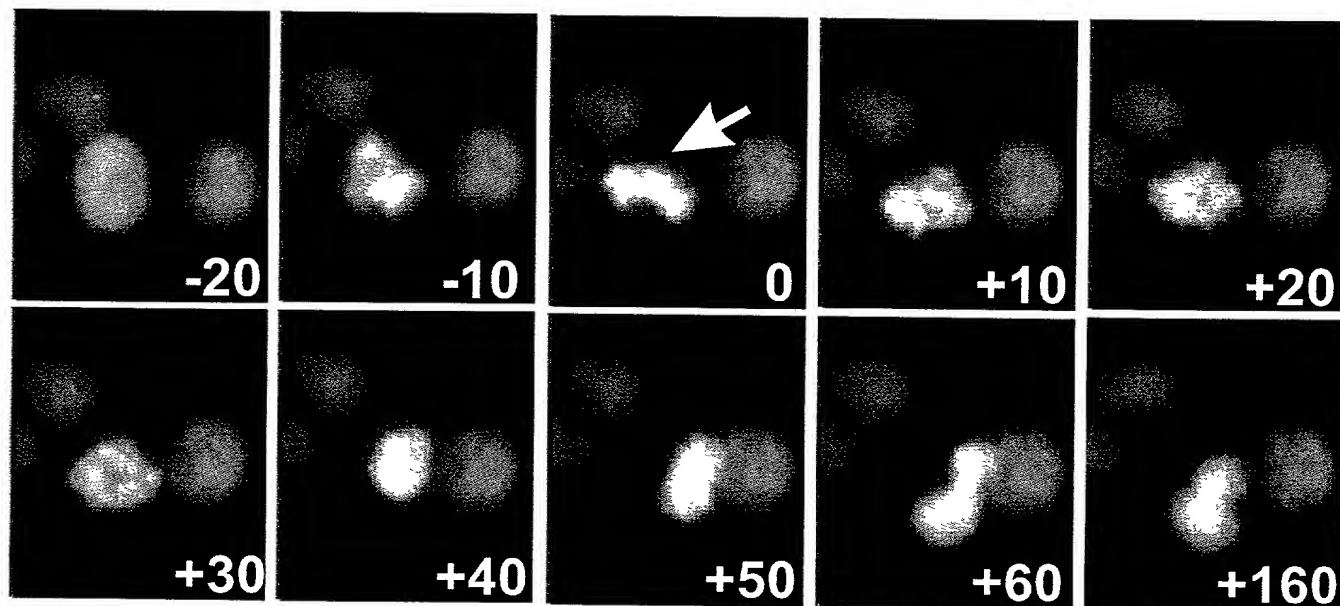
A

hSecurin^{+/+}



B

hSecurin^{-/-}

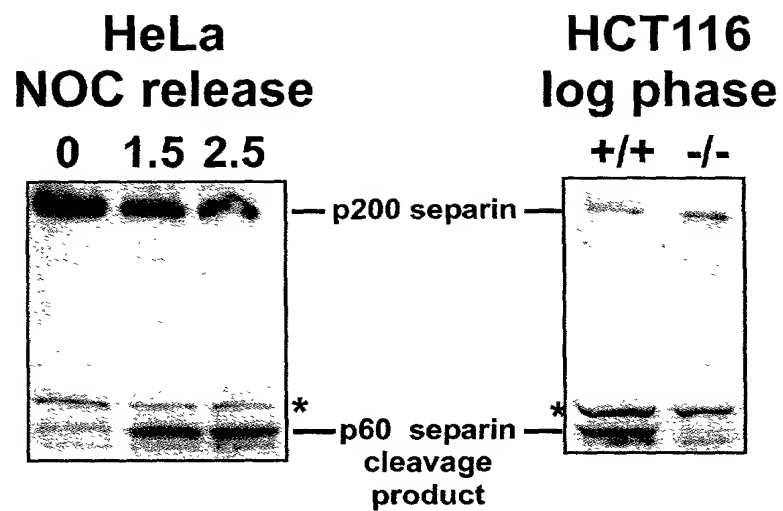


C

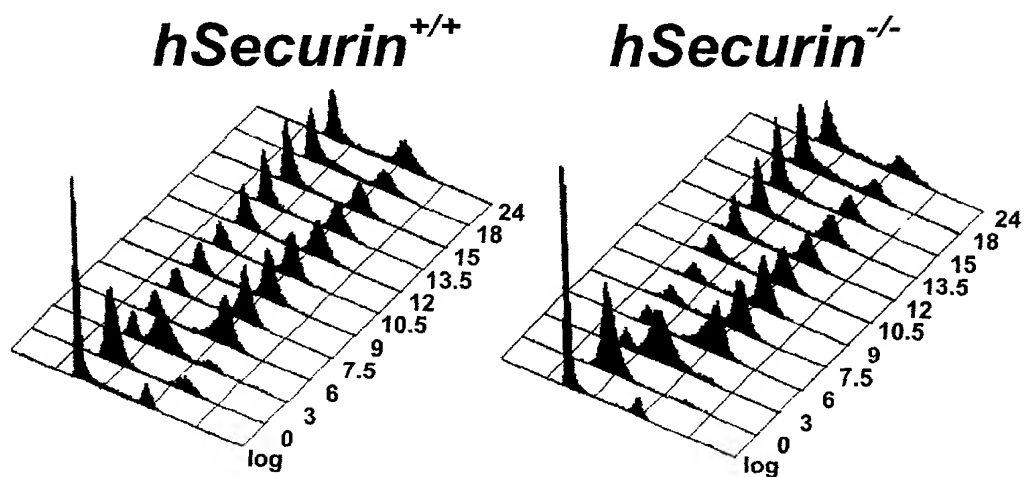
mitotic interval (minutes)	<i>hSecurin</i>	
	<i>+/+</i>	<i>-/-</i>
prophase to metaphase	15	19
metaphase to anaphase	21	57
anaphase to telophase	17	16

FIG. 4

A



B



C

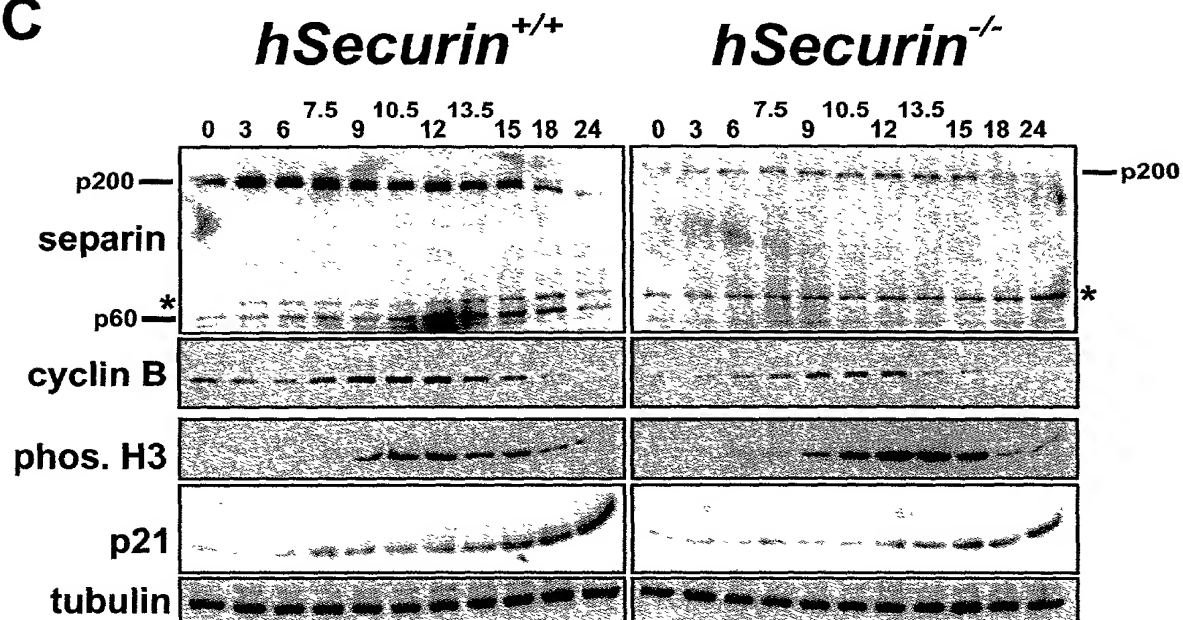
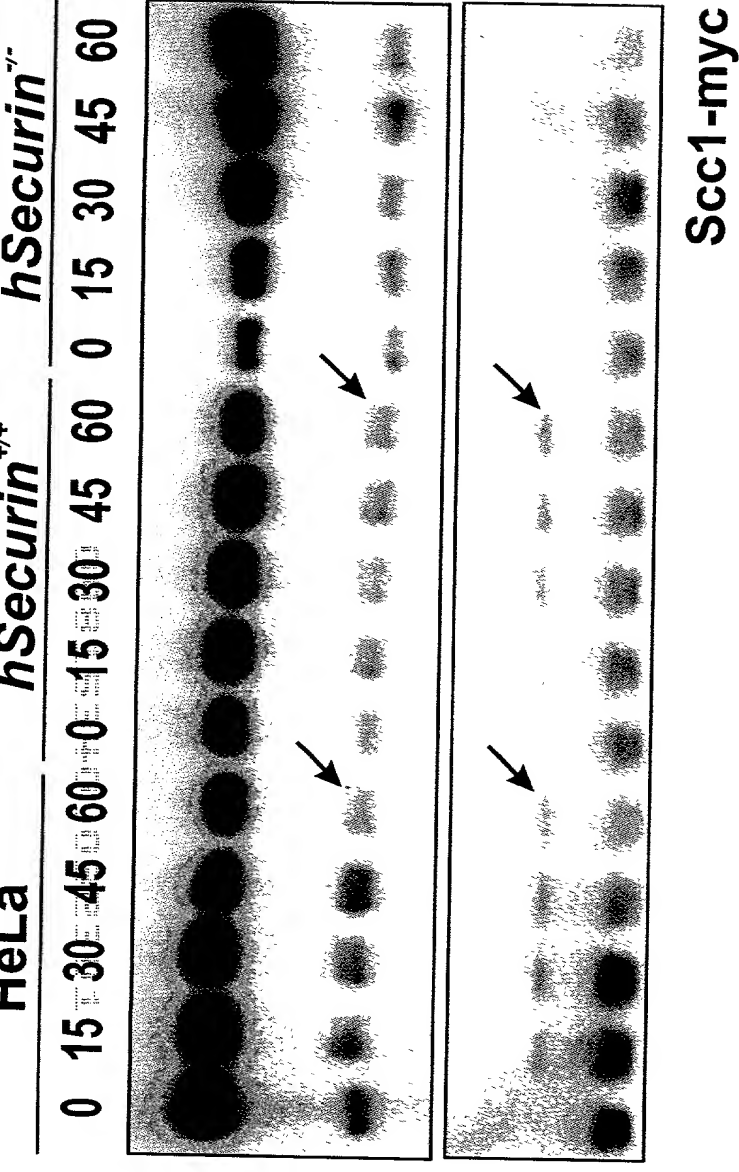
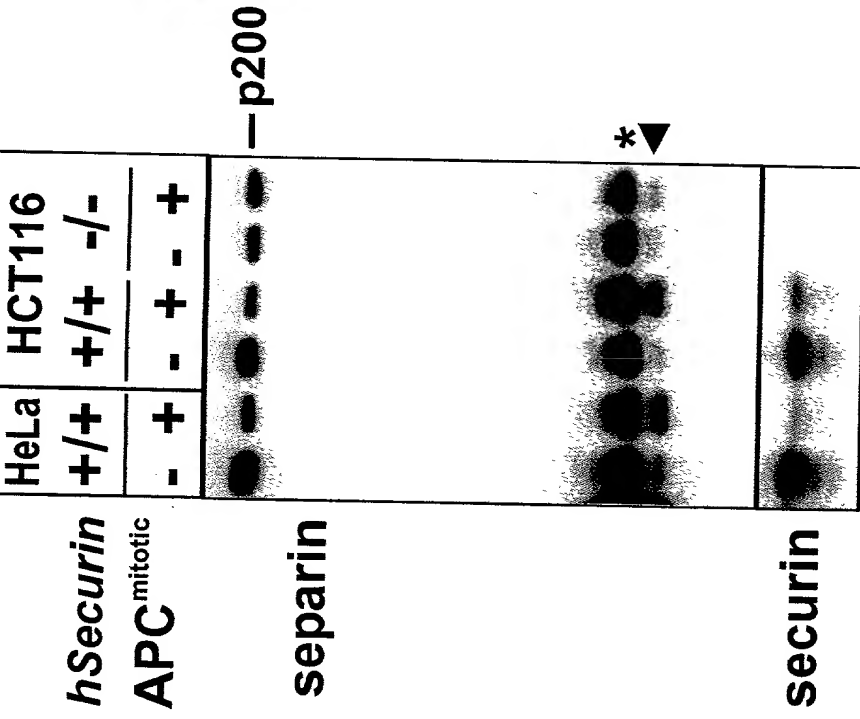


FIG. 5



C

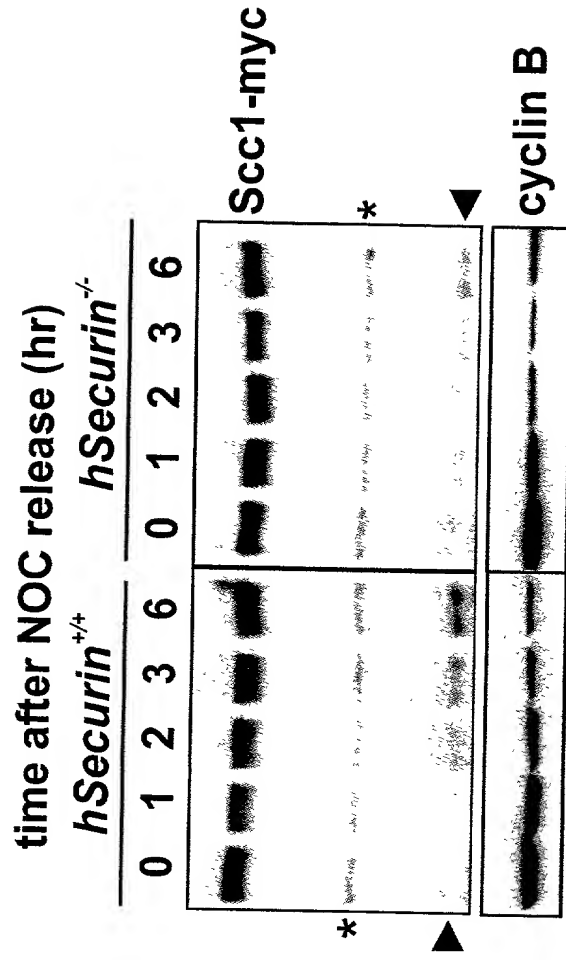


FIG. 6

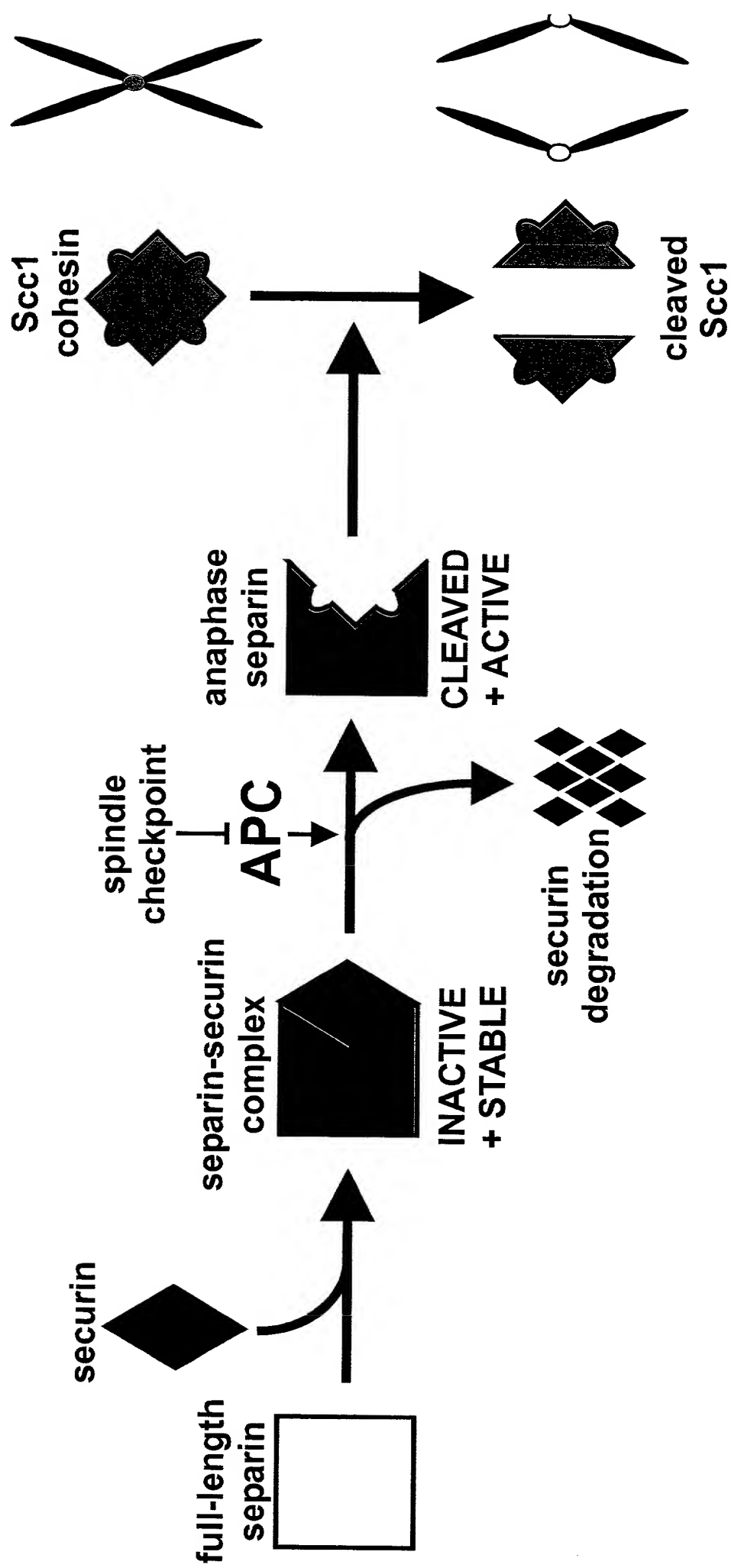


FIG. 7